

This invention relates to a process for the simultaneous coproduction of ethyl acetate and isopropyl acetate. The esterification reaction comprises contacting acetic acid with a mixed alcohol stream of ethanol and isopropanol. Exemplified is a purified, Fischer Tropsch derived mixture of ethanol and isopropanol. The esterification reaction occurs in the presence of an acidic catalyst in a liquid phase reaction system. The resultant crude reaction step product is separated and purified by distillation to produce acetate ester products having greater than 99.5wt% purity.

United States Patent & Trademark Office

Office of Initial Patent Examination

Application papers not suitable for publication

SN 09-740-224

Mail Date 12-19-00

- ☐ Non-English Specification
- ☒ Specification contains drawing(s) on page(s) _____ or table(s) 10-14
- ☐ Landscape orientation of text ☐ Specification ☐ Claims ☐ Abstract
- ☐ Handwritten ☐ Specification ☐ Claims ☐ Abstract
- ☐ More than one column ☐ Specification ☐ Claims ☐ Abstract
- ☐ Improper line spacing ☐ Specification ☐ Claims ☐ Abstract
- ☐ Claims not on separate page(s)
- ☐ Abstract not on separate page(s)
- ☐ Improper paper size -- Must be either A4 (21 cm x 29.7 cm) or 8-1/2"x 11"
 - ☐ Specification page(s) _____ ☐ Abstract
 - ☐ Drawing page(s) _____ ☐ Claim(s)
- ☐ Improper margins
 - ☐ Specification page(s) _____ ☐ Abstract
 - ☐ Drawing page(s) _____ ☐ Claim(s)
- ☐ Not reproducible
 - | <u>Reason</u> | <u>Section</u> |
|---|--|
| <input type="checkbox"/> Paper too thin | <input type="checkbox"/> Specification page(s) _____ |
| <input type="checkbox"/> Glossy pages | <input type="checkbox"/> Drawing page(s) _____ |
| <input type="checkbox"/> Non-white background | <input type="checkbox"/> Abstract |
| | <input type="checkbox"/> Claim(s) |
- ☐ Drawing objection(s)
 - ☐ Missing lead lines, drawing(s) _____
 - ☐ Line quality is too light, drawing(s) _____
 - ☐ More than 1 drawing and not numbered correctly
 - ☐ Non-English text, drawing(s) _____
 - ☐ Excessive text, drawing(s) _____
 - ☐ Photographs capable of illustration, drawing(s) _____